

MAC1114 Trigonometry Homework Problems
Falzone Trigonometry, 11th edition, Lial/Hornsby/Schneider

HOMEWORK 1	
1.1	3, 6, 7, 8, 9, 11, 15, 19, 33, 39, 43, 45, 51, 53, 63, 65, 71, 77, 85, 87, 89, 91, 97, 101, 125
1.2	11, 13, 17, 23, 33, 35, 41, 59, 63, 65
1.3	11, 13, 15, 19, 25, 27, 31, 33, 39, 41, 43, 51, 57, 63, 67, 69, 73, 79, 85, 89
1.4	11, 115, 19, 29, 31, 33, 41, 43, 45, 53, 55, 61, 65, 69, 73, 75, 81, 85
2.1	1, 3, 7, 9, 11, 19, 27, 41, 43, 49, 53, 67
2.2	5, 7, 11, 13, 15, 19, 21, 37, 45, 47, 53, 61, 73, 83
2.3	11, 13, 23, 29, 31, 37, 41, 45, 51, 56, 61
2.4	13, 15, 19, 21, 25, 27, 33, 45, 47, 53
2.5	1-10, 19, 25, 35
3.1	11, 13, 17, 19, 23, 25, 29, 31, 33, 35, 37, 41, 43, 47, 53, 55, 63, 65, 67, 69, 71, 73, 75, 83
	Sample Test 1 (Trig website)

HOMEWORK 2	
3.2	1, 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 35, 37, 39, 41, 47, 49, 66
3.3	7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 39, 41, 61, 63, 67, 69, [91 a,c]
3.4	7, 11, 15, 21, 27, 33, 35, 37, 41, 45
4.1	7, 8, 9, 10, 11, 12, 13, 17, 19, 23, 27, 31, 33, 41, 43, 45, 48, 51
4.2	9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 25, 29, 31, 35, 39, 43, 47, 57
4.3	7, 8, 9, 10, 11, 12, 13, 15, 19, 29, 39, 41, 43
4.4	7, 8, 9, 10, 11, 15, 25, 26, 27,
	Trig Transformations Worksheet [sin(x) vs. cos(x)]
	Chapter 3 Test in the textbook, page 131: 1 – 16
	Chapter 4 Test in the textbook, page 195: 1, 2, 3, 4, 5, 7, 9, 13
	Sample Test 2 (Trig website)

HOMEWORK 3	
5.1	1-5, 7, 9, 11, 13, 27, 29, 33, 35, 37, 47, 53, 55, 57, 61, 73
5.2	5, 7, 9, 11, 23, 27, 33, 43, 45, 47, 51, 55, 61, 65, 71, 101
5.3	1, 2, 3, 9, 13, 17, 19, 21, 43, 45, 49, 53, 59
5.4	1-5, 9, 17, 25, 29, 33, 41, 47
5.5	1, 3, 7, 17, 19, 23, 29, 37, 41, 53, 57
5.6	1, 5, 9, 11, 15, 19, 21, 33, 39
6.1	1, 3, 5, 7, 8, 9, 13, 15, 17, 21, 23, 25, 37, 39, 41, 47, 51, 59, 75
6.2	1, 3, 5, 7, 9, 17, 19, 25, 29, 35, 39, 47, 51, 55
6.3	1, 3, 5, 9, 11, 17, 21, 23, 27, 33, 35
	Sample Test 3 (Trig website)

HOMEWORK 4	
7.1	11, 13, 15, 17, 19, 23, 29, 33, 51
7.2	1, 3, 5, 7, 9, 13, 15, 21, 25
7.3	1, 9, 13, 15, 21, 23, 45, 65
7.4	None
7.5	19, 21, 25, 31, 33, 35, 39, 43, 45, 47, 49, 51, 53, 55
8.1	5, 7, 21, 23, 25, 29, 35, 41, 45, 47, 51, 57, 59, 61, 73, 79, 97
8.2	3, 5, 17, 29, 31, 35, 41, 43, 47, 49, 55, 57, 61
8.3	1, 7, 9, 11, 15, 17, 21
	Find the two square roots of i ; Find the two square roots of $1+i$ SHOW YOUR WORK!
	Graph: $r = \sin(\theta)$, $r = \sin(2\theta)$, $r = \sin(3\theta)$, $r = \sin(4\theta)$
	Sample Test 4 (Trig website)